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CIRCULAR

Subject:- Installation of DG set on raised platform- Guidelines issued - regarding.

- Reference:-
1. Technical guideline committee meeting on 28.11.2023.
 2. Discussion with Kerala Fire & Rescue Services department officials on 23.11.2023
 3. Email dated 09.04.2024 received from Deputy Chief Controller of Explosives, Kochi.

In light of frequent flood in our state, after having discussions with Technical guidelines committee and Kerala Fire & Rescue Services department officials, the following guidelines are issued for installing generators on raised platform.

1. The installation should be as per the clauses mentioned in the National Electric Code 2023/ Indian Standards and statutory provisions in the Central Electricity Authority (Measures relating to safety and electric supply) Regulations 2023.
2. Structural fitness certificate from a Competent Structural Engineer shall be submitted during the completion report submission. The certificate should contain the load bearing capacity (both static and dynamic load while DG set is in operation) of the structure, rating of generator, weight of generator set etc. It should be certified that the structure can bear the load in addition to any other load already existing in the concerned structure.
3. Hand rails /Barrier with passage should be provided around the DG set. Also, hand rails/barrier should not block the opening of doors of DG set. All-round clearance of DG set shall be maintained as per the standards.
4. Generator set shall be mounted on anti vibration pads.
5. Proper oil drainage facility shall be provided.
6. The built-in fuel tank capacity shall not exceed 100 litres or the fuel required for 8 hours of continuous operation, whichever is less. PESO approved fuel storage should be used at the ground level if the storage capacity is more than 1000 litres.
7. Emergency engine stop facility shall be provided outside the acoustic enclosure as well as at the ground level.
8. No Objection Certificate from the owner of the structure should be furnished if the

generator is installed by a tenant.

9. The raised platform should not be a part of the any kind of building and no parking is allowed beneath it and also,it should not be on the pathways. No flammable materials/items shall be stored below the platform.
10. All metallic parts of the structure shall be earthed and equipotential bonding shall be ensured.

Chief Electrical Inspector.

To

1. The Deputy Chief Electrical Inspector, Ernakulam/Thiruvananthapuram/Kozhikode.
2. All Electrical Inspectors.
3. All Technical Officers of CEI's Office.
4. Website